

CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

- 1 1. A transmission cable having an end, the transmission cable comprising:
2 a transmission medium;
3 an outer jacket disposed about the transmission medium; and
4 an end cap swaged on said end of the transmission cable.

- 1 2. The transmission cable of claim 1, wherein the end cap comprises a metal.

- 1 3. The transmission cable of claim 1, wherein the end cap comprises aluminum.

- 1 4. The transmission cable of claim 1, wherein the end cap comprises a shape that
2 aids in installation of the transmission cable.

- 1 5. The transmission cable of claim 1, wherein the end cap comprises a conical shape.

- 1 6. The transmission cable of claim 1, wherein the end cap comprises a ring
2 configured to aid in pull-through installation of the cable.
3

- 4 7. The transmission cable of claim 1, wherein the end cap comprises an eye
5 configured to aid in pull-through installation of the cable.

- 1 8. The transmission cable of claim 1, wherein the end cap captures the transmission
2 medium in a manner that renders it substantially immovable.

- 1 9. The transmission cable of claim 1, wherein the end cap completely seals internal
2 components of the cable from external environment.
3

1 10. The transmission cable of claim 1, wherein the transmission cable further
2 comprises:

3 a water-blocking material disposed about the transmission medium;
4 a core tube disposed between the transmission medium and the outer jacket; and
5 strength members disposed about the core tube, wherein the transmission
6 medium, outer jacket, water-blocking material, core tube and strength members comprise
7 the components of said cable.

1 11. The transmission cable of claim 10, wherein the end cap captures all components
2 of the transmission cable in a manner that renders them substantially immovable.

1 12. The transmission cable of claim 1, wherein the transmission medium is an optical
2 fiber.

1 13. A method of producing a transmission cable having an end, and the method
2 comprising the steps of:

3 providing a transmission cable including a transmission medium and an
4 outer jacket disposed about the transmission medium; and
5 swaging an end cap on said end of the transmission cable.

1 14. The method of claim 13, wherein the step of providing a transmission cable
2 comprises:

3 providing a transmission cable including an optical fiber.

1 15. The method of claim 13, wherein the step of swaging an end cap comprises:
2 swaging a metal end cap on the transmission cable.

1 16. The method of claim 13, wherein the step of swaging an end cap comprises:
2 swaging an aluminum end cap on the transmission cable.

1 17. The method of claim 13, wherein the step of swaging an end cap comprises:
2 swaging an end cap on the transmission cable, wherein the end cap is shaped to
3 aid in installation of the transmission cable.

1 18. The method of claim 13, wherein the step of swaging an end cap comprises:
2 swaging an end cap on the transmission cable, wherein the end cap comprises a
3 conical shape.

1 19. The method of claim 13, wherein the step of swaging an end cap comprises:
2 swaging an end cap on the transmission cable, wherein the end cap comprises a
3 ring

1 20. The method of claim 13, wherein the step of swaging an end cap comprises:

- 2 capturing the transmission medium in a manner that renders it substantially
- 3 immovable

u u u u u u u u u u

- 1 21. A method of installing a transmission cable, comprising:
- 2 providing a transmission cable, wherein the cable includes
- 3 an aerodynamically-shaped end cap swaged on an end of the cable; and
- 4 installing the cable by jetting installation.

1 21. A method of installing a transmission cable, comprising:
2 providing a transmission cable, wherein the cable includes
3 an aerodynamically-shaped end cap swaged on an end of the cable; and
4 installing the cable by jetting installation.

- 1 22. A method of installing a transmission cable, comprising:
- 2 providing a means for pulling the cable;
- 3 providing a transmission cable, wherein the cable includes
- 4 an end cap swaged on an end of the cable, and
- 5 an eye on the end cap;
- 6 attaching the means for pulling the cable to the eye of the end cap; and
- 7 pulling the cable through a space in which it is being installed.

1
2
3
4
5
6
7